

February 27, 2008

Mr. Bruce Wolfe  
Executive Director  
California Regional Water Quality Control Board  
San Francisco Bay Region  
1515 Clay Street, #1400  
Oakland, CA 94612

SUBJECT: Submittal of Annual Update Reports and Workplans as Required by Order Number R2 2003-0085, NPDES Permit No. CA0037842.

Dear Mr. Wolfe:

The following Clean Bay Strategy is being submitted in fulfillment of the San Jose/Santa Clara Water Pollution Control Plant (Plant) NPDES permit, Order No. R2 2003-0085, requiring annual reports on Plant watershed activities, including an update on the South Bay Action Plan, Contingency Plan, and the Annual Pollution Prevention Report.

As lead agency of a Joint Powers Authority, the City of San Jose operates the San Jose/Santa Clara Water Pollution Control Plant. The Plant treats wastewater from a 300 square mile service area serving 1.4 million residents and 16,000 businesses, including many of the leading internet, computer, and communications companies that make up "Silicon Valley."

The City's integrated watershed protection approach to water quality considers all factors influencing water quality in the South Bay and seeks to solve environmental problems in the most cost-effective manner. During 2007, San Jose adopted a Green Vision with aggressive goals to achieve a sustainable future. Several of these goals such as, recycle or beneficially reuse 100 percent of our wastewater; divert 100 percent of the waste from our landfill and convert waste to energy; and create 100 miles of interconnected trails touch on programs in the following reports.

The attached 2007 Clean Bay Strategy Report includes the following:

**The South Bay Action Plan** is a summary of the activities and achievements in reducing flow to the South Bay for the period January 1, 2007 to December 31, 2007, unless otherwise noted. Monitoring fresh water flows and the changes in marsh habitat in the South Bay serves as the primary effectiveness measure for South Bay Action Plan (Action Plan) activities. During the 2007 dry weather season (May-October), the Plant discharged an average of 95 million gallons per day (mgd) – the lowest level in 30 years, well below the 120 mgd flow trigger.

The South Bay Water Recycling Program (SBWR) delivered an average of 14.4 mgd during the dry weather season and 8 mgd as an annual average in 2006, up 8% from last year.

The City continues its successful water conservation programs in collaboration with the Santa Clara Valley Water District. These conservation efforts have contributed to reduce per capita indoor water use, which has remained flat from a growing residential sector. Since 1986 when the City began tracking conservation efforts, residential per capita indoor water use has been reduced by 28%.

The City is entering the third year of an extensive Plant Master Planning effort that will provide a roadmap for the next 30 years of capital improvement projects, facilities, operations, buffer land uses and financing for the Plant.

The Environmental Services Department (ESD) continues to develop an Environmental Management System (EMS) for ESD. The EMS process will assist both the Municipal Water Resources Division (Muni Water) and the Plant in systematically identifying its impacts and establishing a process that holds them accountable for accomplishing goals that reduce those impacts. Improved compliance with regulatory parameters and operational control has been among the early successes of the EMS. Muni Water will go through ISO 14001:2004 registration in the first half of 2008. The Plant has a goal of registration in the next 12 – 18 months.

The South Bay Action Plan report also includes a description of those activities that are ongoing or planned for 2008 and a contingency plan should discharge flows begin to rise more rapidly than expected.

**The Annual Pollution Prevention Report** is a summary of activities in place to minimize the Plant's contribution of priority pollutants to the South Bay. These activities include targeted source control measures as well as other local and regional outreach efforts. The Plant has maintained compliance with all its discharge limits in 2007. Pollution prevention activities relating to copper, nickel, mercury, cyanide, emerging pollutants, and fats, oils, and grease (FOGs) are described in the Annual Pollution Prevention (P2) Report.

In June 2007, Regional Water Board approved the City's Industrial Waste Discharge Local Limits Update report. San Jose City Council approved a revised sewer use ordinance, including revised local limits in December 2007. Agencies and Cities tributary to the Plant will be adopting comparable ordinance as soon as possible.

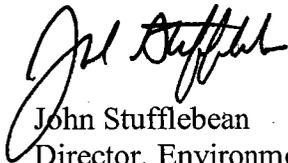
The City has been active locally and regionally in addressing pollutants of concern along with emerging contaminants. Staff participates on the California Product Stewardship Council promoting potential producer responsibility legislation at the state level for emerging contaminants, such as pharmaceutical disposal and continues participation on the Bay Area Pollution Prevention Group to leverage resources addressing pollutants of concern common to most Bay Area treatment plants.

In November 2007, the City co-hosted the Go Green Initiative's third annual Earth Summit, and was named the first "International Go Green City of the Year" at the event. Approximately 300 educators from across the nation came and learned methods of incorporating green concepts into the classroom. The Go Green Initiative promotes environmental stewardship on campuses from elementary schools through universities.

The City continues to actively participate in regional Total Maximum Daily Load (TMDL) development, Bay-wide planning and management efforts such as the South Bay Salt Pond restoration effort, the Santa Clara Basin Watershed Management Initiative, Bay Area Stormwater Management Association (BASMA), California Association of Sanitation Agencies (CASA), Bay Area Clean Water Agencies (BACWA), Tri TAC and the San Francisco Estuary Institute (SFEI) Regional Monitoring Program (RMP). TMDL participation letters from BACWA and the SFEI are included in both the South Bay Action Plan and the Annual Pollution Prevention Reports.

The City looks forward to continue working with Regional Water Board staff to address water quality and permit issues. If you would like the City to give presentations to the Board or staff on any of our programs summarized in the Clean Bay Strategy Report such as the Plant Master Planning or the Environmental Management System efforts, please contact me at 408-535-8560.

Sincerely



John Stuffebean  
Director, Environmental Services Department

Cc: Tong Yin, RWQCB, Permitting Section  
Heather Ottaway, RWQCB, Pollution Prevention